

U.S. Patent Application Serial No. 09/939,716  
Amendment filed October 14, 2008  
Reply to OA dated July 24, 2008

**AMENDMENTS TO THE SPECIFICATION:**

Amend the specification as follows:

Replace the paragraph beginning on page 22 line 1 with the following rewritten paragraph:

Preferably, the loss in a travelling wave type electrode at  $f_0/2$  is always ~~larger~~ smaller than the loss at frequency higher than  $f_0/2$ , and modulation efficiency of said Mach Zehnder light intensity modulator at  $f_0/2$  is larger than that at frequency higher than  $f_0/2$ , where  $f_0$  is clock frequency of an electrical binary signal.

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